## **EAST Search History**

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	538	713/187.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/18 12:07
L2	2617	369/275.3.ccls. 369/47.45.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/18 12:07
L3	1	1 and ((comput\$3 calculat\$3) with (bad irregular\$3 abnormal \$3 anomaly)) with (digest\$1 hash\$1 signature code)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/18 12:08
L4	0	2 and ((comput\$3 calculat\$3) with (bad irregular\$3 abnormal \$3 anomaly)) with (digest\$1 hash\$1 signature code)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/18 12:08
S1	3621	713/176.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 13:16
S2	389	713/176.ccls. and multiple\$1 with signature\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 13:17
S3	45	713/176.ccls. and multiple\$1 with signature\$1.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 13:17
S4	187	(comput\$3 calcul\$3) with multiple\$1 near2 signature\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 13:24
<b>S</b> 5	39	(comput\$3 calcul\$3) with multiple\$1 near2 signature\$1.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 13:24

S6	868	(howard.in. pagliarulo. in. crowley.in. lee.in. hart.in. merkle.in. levine.in.) and authentication.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 13:27
S7	4	(howard.in. pagliarulo. in. crowley.in. lee.in. hart.in. merkle.in. levine.in.) and media near authentication.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 13:27
S8	3	"20020069389"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 13:42
S9	10866	read\$1 with (hash signature digest)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 13:50
S10	1141	read\$1 with (hash signature digest) with (disk\$1 disc\$1 media medium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 13:50
S11	486	read\$1 with (hash signature digest) with (disk\$1 disc\$1 media medium) and (authen \$7 validat\$7 verif\$7) with (disk\$1 disc\$1 media\$1 medium\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 13:51
S12	120	read\$1 with (hash signature digest) with (disk\$1 disc\$1 media medium) and (authen \$7 validat\$7 verif\$7) with (disk\$1 disc\$1 media\$1 medium\$1).	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 13:51
S13	30	read\$1 with (hash signature digest) with (disk\$1 disc\$1 media medium) and (authen \$7 validat\$7 verit\$7) with (disk\$1 disc\$1 media\$1 medium\$1).	US PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 13:51

S14	1614	(multiple plural\$4 several various many) with read\$3 with (segment portion data region) with (disk\$1 disc\$1 media medium) and (authen\$7 validat \$7 verif\$7) with (disk \$1 disc\$1 media\$1 medium\$1)	US-POPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12
S15	222	(multiple plural\$4 several various many) with read\$3 with operation\$1 with (segment portion data region) with (disk\$1 disc\$1 media medium) and (authen\$7 validat \$7 verit\$7) with (disk\$1 medium\$1) medium\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12
S16	64	(multiple plural\$4 several various many) with read\$3 with operation\$1 with (segment portion data region) with (disk\$1 disc\$1 media medium) and (authen\$7 validat \$7 verif\$7) with (disk \$1 disc\$1 media\$1 medium\$1).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12
S17	327	(calculat\$3 comput\$3) with (segment portion data region sector) with (disk\$1 disc\$1 media medium) with (hash digest signature) and (authen \$7 validat\$7 verif\$7) with (disk\$1 disc\$1 media\$1 medius\$1 medius\$1). clm.	US-PCPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12
S18	322	(calculat\$3 comput\$3) with (segment portion data region sector) with (disk\$1 disc\$1 media medium) with (hash digest signature).cim. and (authen\$7 validat\$7 verit\$7) with (disk\$1 disc\$1 media \$1 medium\$1)	US-PCPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 14:11

S19	30	(calculat\$3 comput\$3) with (segment portion data region sector) with (disk\$1 disc\$1 media medium) with (hash digest signature) with read\$3. dm. and (authen\$7 validat\$7 verif\$7) with (disk\$1 disc\$1 media \$1 medium\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12
S20	3858	different with read\$1 with (sector\$1 region \$)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 14:27
S21	16	different with read\$1 with (sector\$1 region \$) with authent\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 14:27
S22	1	multiple with read\$1 with (sector\$1 region \$) with authent\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 14:38
<b>S</b> 23	50	compar\$3 with (signature\$1) with anomaly	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 14:52
S24	0	(determi\$3 with (bad irregular\$3 abnormal \$3 anomaly)) same (((pre\$1defin\$3 pre \$1 determin\$3 certain) near3 signature) with equal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 22:42
S25	15	(determi\$3 with (bad irregular\$3 abnormal \$3 anomaly)) same (((pre\$1defin\$3 pre \$1determin\$3 certain) near3 signature))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/11/12 22:42
S26	27	(determi\$3 with (bad irregular\$3 abnormal \$3 anomaly)) same (((pre\$1defin\$3 pre \$1determin\$3 certain) near3 signature))	US PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/12 22:43

S27	4	(authent\$8 with (bad irregular\$3 abnormal \$3 anomaly)) same (((pre\$1defin\$3 pre \$1determin\$3 certain) near3 signature))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/12 22:46
S28	1090	((comput\$3 calculat \$3) with (bad irregular \$3 abnormal\$3 anomaly) with (digest \$1 hash\$1 signature code))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16 10:16
S29	29	((comput\$3 calculat \$3) with (bad irregular \$3 abnormal\$3 anomaly) with (digest \$1 hash\$1 signature code)) and authent\$7 with (bad irregular\$3 abnormal\$3 anomaly)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16 10:17
S30	707	read adj operation\$1 with (segment\$1 portion\$1 part\$1 fragment\$1) with (medium\$1 media\$1 disc\$1 disk\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16 10:21
<b>S</b> 31	40	read adj operation\$1 with (segment\$1 portion\$1 part\$1 fragment\$1) with (medium\$1 media\$1 diss\$1 disk\$1) and (calculat\$3 determin \$3) with (hash\$1 signature\$1 diges\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16
S32	2	((comput\$3 calculat \$3) with read\$3 with (bad irregular\$3 abnormal\$3 anomaly) with (plurality many more two various) with (digest\$1 hash\$1 signature code))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16 11:07
S33	1481	((authenti\$6 authori\$6 verif\$8 valid\$5) with (read transfer\$5) with (hash\$1 code\$1 signature\$1 digest\$1)) with (disk\$1 drive\$1 disc\$1 media\$1 medium\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16 11:21

S34	272	((authentis6 authoris6 verifs8 valids5) with (multiple\$1 plurality more two many several) with (read transfer\$5) with (hash \$1 code\$1 signature\$1 diges\$1)) with (disk\$1 drive\$1 dise\$1 media \$1 medium\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR		2009/11/16
\$35	30	(((authenti\$6 authori\$6 verif\$8 valid\$5) with (multiple\$1 plurality more two many several) with (read transfer\$5) near (hash \$1 code\$1 signature\$1 diges\$1)) with (disk\$1 drive\$1 disc\$1 media \$1 media	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OV	2009/11/16 11:22
<b>S</b> 36	4	(monitor\$3 with read \$3 with rate with (disk disc medium media)) and authen\$7 with rate \$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16 11:24
S37	6	(monitor\$3 with read \$3 with rate with (disk disc medium media)) and authen\$7 with (code\$1 signature\$1 digest\$1 hash\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16 11:25
<b>S38</b>	16	((monitor\$3 audit\$3 track\$3 calculat\$3) with read\$3 with rate with (disk disc medium media)) and authen\$7 with (code\$1 signature \$1 digest\$1 hash\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR		2009/11/16 11:26
<b>S3</b> 9	17	((monitor\$3 audit\$3 track\$3 calculat\$3) with (read\$3 acces\$3 read\$3) with rate with (disk disc medium media)) and authen\$7 with (code\$1 signature \$1 digest\$1 hash\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	O. O	2009/11/16 11:26

S40	3	[((monitor\$3 audit\$3) track\$3 calculat\$3) with (read\$3 access\$3 read\$3) with rate with (disk disc medium media)) and authen\$7 with (bad anomaly error irregular\$2 abnormal\$2) with (code\$1 signature\$1 digest\$1 hash\$1)	US-POPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16 11:28
S41	0	713/193.cds. and ((monitor\$3 audit\$3 track\$3 calculat\$3) with read\$3 access\$3 read\$3) with rate with (disk disc medium media)) and authen\$7 with (bad anomaly error irregular\$2 abnormal\$2) with (code\$1 signature\$1 digest\$1 hash\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DEFWENT	OR	ON	2009/11/16 11:29
S42	2292	(authent\$8 valid\$8 verif\$8) with (media medium disk disc) with (error anomaly abnormal\$2 irregular \$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16 11:31
S43	343	(authent\$8 valid\$8 verif\$5) with (media medium disk disc) with (error anomaly abnormal\$2 irregular \$2) and (multiple plurality more two many several) with read\$3 with (operation \$1 instruction\$1)	US-PCPUB; USPAT; USOCH; EPO; JPO; DERWENT	OR	00 	2009/11/16 11:32
S44	19	(authent\$8 valid\$8 verif\$5) with (media medium disk disc) with (error anomaly abnormal\$2 irregular \$2) and (multiple plurality more two many several) with read\$3 with (operation \$1 instruction\$1) and calculat\$3 with (error anomaly abnormal\$2 irregular\$2) with (hash code digest signature)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16 11:32

S45	33	("4734796" "5982886" "636696" "5808995" "5778420" "6775227" "9588960" "6711106" "6477124" "5799145" "20020142248" "20050050343" "5746849" "6775227" "5463604" "20030072447" "6366969" "4800548" "5959954").pn.	US-POPUB; USPAT; USOCR; EPO; JPO; DEFWENT	OR	ON	2009/11/16 11:37
S46	0	S45 and (calculat\$3 compar\$3 computing computes computed) with (error anomaly abnormal\$2 irregular \$2) with (hash code digest signature)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16
S47	1	S45 and (calculat\$3 compar\$3 computing computes computed) with (error anomaly abnormal\$2 irregular \$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16 11:39
S48	2	("6477124").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16 11:40
S49	17	("4734796" "5982886" "6366995" "5808995" "5778420" "6775227" "6958960" "6771106" "6477124" "5799145" "20020142248" "20050050343" "20050050343" "6775227" "5463604" "20030072447" "20030072447" "3666969" "4800548" "5959954"),pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/16 14:58
S50	0	S49 and (multiple several many several various more) with (access\$3 transfer\$3 read\$3) with (error\$1 bad\$1 irregular\$2 abnormal\$2 anomal \$2) with (medium media disk disc)	US-PCPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OC	2009/11/16 15:01

S51	3083	(multiple several many several various more) with (access\$3 transfer \$3 read\$3) with (error \$1 bad\$1 irregular\$2 abormal\$2 anomal \$2) with (medium media disk disc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	MOR		2009/11/16
S52	232	(multiple several many several various more) with (access\$3 transfer \$3 read\$3) with (error \$1 bad\$1 irregular\$2 abnormal\$2 anomal \$2) with (medium media disk disc) and (authen\$5 valid\$8 verif \$7) with (signature code digest hash)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16 15:03
S53	63	(multiple several many several various more) with (access\$3 transfer \$3 read\$3) with (error \$1 bad\$1 irregular\$2 abnormal\$2 anomal\$2) with (medium media disk diss) and (authen\$5 valid\$8 verif \$7) with (signature code digest hash) with (error\$1 bad\$1 irregular\$2 abnormal\$2 anomal\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16 15:03
S54	69	(multiple several many several various more) with (access\$3 transfer \$3 read\$3) with (error \$1 bad\$1 irregular\$2 abnormal\$2 with (medium media disk disc) and (compar\$3) with (isignature code digest hash) with (error\$1 bad\$1 irregular\$2 abnormal\$2 anomal \$2)	US-PCPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/11/16 15:04

S55	100	\$\$ read\$3) with (error \$\$ tao\$1 irregular\$2 abnormal\$2 anomal \$2) with (medium media disk diss) and (compar\$4) with (signature code digest hash) with (error\$1 bad\$1 irregular\$2 abnormal\$2 anomal \$2)	US PGPUB; USPAT; USOCR; EPO; JPO; DEFIWENT	OR	ON	2009/11/16 15:04
<b>\$</b> 56	35	(multiple several many several various more) with (access\$3 transfer \$3 read\$3) with (error \$1 bad\$1 irregular\$2 abnormal\$2 anomal\$2) with (medium media disk disc) and (compar\$4) with (signature code digest hash) with (error\$1 bad\$1 irregular\$2 abnormal\$2 anomal\$2) with (medium media disk disc)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	ON	2009/11/16 15:05
\$57	34	(multiple several many several various more) with (access\$3 transfer \$3 read\$3) with (error \$1 bad\$1 irregular\$2 abnormal\$2 anomal \$2) with (medium media disk disc) and (compar\$4) with (signature code digest hash) with (error\$1 bad\$1 irregular\$2 abnormal\$2 anomal\$2) with (medium media disk disc)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/16 15:05

\$58	3	(multiple several many several various more) with (access\$3 transfer \$3 read\$3) with (error \$1 bad\$1 irregular\$2 abnormal\$2 anomal \$2) with (medium media disk disc) and (compar\$4) with (signature digest hash) with (error\$1 bad\$1 irregular\$2 abnormal\$2 anomal\$2) with (medium media disk disc)	US-PGPUB; USPAT; EPO; UPO	OR	ON	2009/11/16 15:06
S59	15	(compar\$4) with (signature digest hash) with (error\$1 bad\$1 irregular\$2 abnormal\$2 anomal\$2) with (medium media disk disc)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/16 15:06
<b>S</b> 60	3	(compar\$4) with (several multiple various more two plurality) with (signature digest hash) with (error\$1 bad\$1 irregular\$2 abnormal\$2 anomal\$2) with (medium media disk disc)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/11/16 15:09
<b>S</b> 61	7	(multiple several many several various more) with (access\$3 transfer \$3 read\$3) with (error \$1 bad\$1 irrogular\$2 abnormal\$2 anomal \$2) with (medium media disk disc) and (authen\$5 valid\$8 verif \$7) with (signature digest hash) with (error \$1 bad\$1 irregular\$2 abnormal\$2 anomal \$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON ON	2009/11/16 15:15

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